

US010108202B1

(12) United States Patent Aikin et al.

(10) Patent No.: US 10,108,202 B1

(45) **Date of Patent:** Oct. 23, 2018

(54) PELOTON

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(*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35

U.S.C. 154(b) by 0 days.

(21) Appl. No.: 15/275,160

(22) Filed: Sep. 23, 2016

Related U.S. Application Data

(60) Provisional application No. 62/232,853, filed on Sep. 25, 2015.

(51)	Int. Cl.	
	G01S 13/00	(2006.01)
	G01S 13/93	(2006.01)
	G05D 1/00	(2006.01)
	G05D 1/02	(2006.01)
	B60L 11/18	(2006.01)

(52) U.S. Cl.

CPC *G05D 1/0293* (2013.01); *B60L 11/1801* (2013.01); *B60L 11/1816* (2013.01); *G05D 1/0295* (2013.01)

(58) Field of Classification Search

CPC G05D 1/00; G05D 1/0293; G05D 1/0295; B60L 11/00; B60L 11/1801; B60L 11/1816; G01C 21/00; G01C 21/26; G01C 21/34; G08G 1/22

See application file for complete search history.

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(57) ABSTRACT

A vehicle configured to be autonomously navigated in a peloton along a roadway, wherein the peloton comprises at least the vehicle at least one additional vehicle, is configured to determine a position of the vehicle in the peloton which reduces differences in relative driving ranges among the vehicles included in the peloton. The vehicles can dynamically adjust peloton positions while navigating to reduce driving range differences among the vehicles. The vehicle can include a power management system which enables the vehicle to be electrically coupled to a battery included in another vehicle in the peloton, so that driving range differences between the vehicles can be reduced via load sharing via the electrical connection. The vehicle can include a power connector arm which extends a power connector to couple with an interface of another vehicle.

20 Claims, 5 Drawing Sheets

